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**Report to KwaZulu-Natal Department of Basic Education  
on Intel® Teach Training  
conducted by SchoolNet SA  
sponsored by Intel®  
between March 2010 and November 2011**

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## 1. Introduction



1. Training conducted at Emthetjweni Senior Primary School

A range of Intel® Teach training has been conducted by SchoolNet SA in KwaZulu-Natal since the inception of the programme. Intel® continues to fund the development of Intel® Teach courseware and capacity building for trainers which enables other organizations, corporate social investment initiatives and departments of education to offer training to more schools than Intel® could fund.

Across the world over 10 million teachers have been trained through this programme. In the past two years, 3 000 KZN teachers have benefitted through the

Intel® Teach programme which has run face to face workshops and sent materials to schools for the use of educators at their respective schools.

This report outlines the training that has taken place in KwaZulu-Natal between 2010 and August 2011 as sponsored by the KwaZulu-Natal of Education and the Intel® Corporation South Africa.

## 2. Intel® Teach Getting Started 2010

The Intel® Teach Getting Started course is aimed at novice computer users. The course focuses on introducing teachers to basic functions that would help teachers to lighten their workload as well as introducing them to the concept of 21<sup>st</sup> Century skills. This course was only localised for the South African environment in March 2011 and thus the training of 4 senior trainers from KwaZulu-Natal allowed for training to commence fairly soon after the training of senior trainers in April 2010.

### 2.1. Quarter 2

Zwelethu High School	7, 20, 21 May 2010
Little Flower Secondary ( Umlambo Foundation)	19 - 22 April 2010
King Shaka High School	24, 25 - 27 May, 03 June 2010
Skhwama High School	24, 25, 28 May 2010
Khula High School	10, 11, 12 June 2010
Bhekeshowe High School	9 - 11 June 2010
Emthethweni Primary School	7 - 10 June 2010
Enqoleni Education Training Centre	16,17, 19, 20 May 2010

There were 6 workshops that took place within the second quarter in KwaZulu-Natal. The workshops were arranged by trainers as they already had a sound connection with schools in their respective areas. The above table indicates the training that was held at respective venues on the corresponding dates. The teachers were all novice computer users and although fearful of pressing the wrong buttons initially – were eager to learn about how to make their lives easier with the use of a computer.



2. The window that was broken at the computer lab

Unfortunately with the training at Emthethweni Senior Primary – there was a break in and the computer lab was emptied of its contents. This caused a delay in the completion of the training. Smart Xchange was gracious in permitting the use of their labs which afforded the teachers the opportunity to complete the training.

Another highlight of the second quarter training was a workshop that was conducted at Little Flower School for the Umlambo Foundation. The invitation to the training was extended to schools in the surrounding area and was well supported. Despite the technical challenges in the form of power failures and an under-utilised computer lab – the enthusiasm of the educators was infectious.

Comments from teachers at workshops held in quarter 2.

- *A very interesting course to someone who is computer illiterate in the 21st century*
- *Facilitators very sensitive to individual needs, thank you*
- *I liked almost all the activities we did and our trainer was he was very patient and committed, I have enjoyed a lot.*



3. Training at Skhwame High School



4. Training conducted at King Shaka High School



5. Training conducted for the Umlambo Foundation at Little Flower Primary School

## 2.2 Quarter 3

Mningi High School	28 <sup>th</sup> June – 01 <sup>st</sup> July 2010
Siyabonga Senior Secondary	5 <sup>th</sup> to 8 <sup>th</sup> July 2010

Teachers were eager to learn using computers, especially since most educators were first time computer users. The trainers on duty for these two workshops, worked very carefully and diligently with the teachers in order for them to reap the benefits of mastering at least a measure of the skills that they were exposed to.

Comments from trainees:

- *I liked working with the internet for the first time*
- *The computers are not friendly to my eyes*



6. Siyabonga Senior Secondary Training

- *I wish more time should be given to equip educators with such an opportunity*

### 2.3 Quarter 4

Embizweni High School	30th September, 1st, 8th, 9th October 2010
Juma Masjid Primary School	23rd, 27th, 30th October and 3rd and 6th November 2010
Andrews Zondo Primary School	25th October to 5th November 2010
Masibumbane High School	30th October, 6th November and 13th November 2010
Juma Masjid Training of Trainers	12th-14th November 2010
Sekusile High School	13th -15th December 2010
Folweni High School	14th - 17th December 2010



7. Training at Juma Masjid



8. Training at Andrews Zondo Primary School

This quarter of training had many teachers that had some sort of contact with computers at some point but did not practice the skills attained. In other instances, the mixed ability of participants meant that facilitators needed to engage participants in the learning process by fostering discussions that preceded practical exercises requiring completion. It helped that teachers, in making errors, learned that the help-guide could be useful in finding resolutions for challenges experienced. The other challenge that was experienced at these workshops was that teachers' attention was divided due to the fact that it was near the end of the year and many teachers were focused on finalising marks for students. This influenced attendance slightly, but the morale of teachers was good.

Comments by participants

*Thanks for facilitating the Intel Course. The participants and I really enjoyed the session. I could see the AHA experience in the teachers, who became learners once again. Lifelong learning was in action. I learnt as well and also learnt how adults are learning.*

*I enjoy attending this course. I gain a lot. I am now able to do my work alone using my help guide. Thanks to everyone.*



9. Training at Embizweni High School

### 3. Intel Teach Elements 2010

There was tremendous confusion about the requirements for the course, despite the communication that schools received from SchoolNet. It would seem that teachers who were confident computer users were not included in the course and this frustrated the facilitator whose aim it was to share the project based approach to teaching and learning. Fortunately with perseverance teachers saw the advantage of using project based learning and were open to sharing

how they would best incorporate it into their classroom. There was no doubt that a mind shift had to take place on the side of the teachers in order to be open to the idea of integrating technology.

• Ndlokolo Primary School	• 14 <sup>th</sup> , 15 <sup>th</sup> and 17 <sup>th</sup> June 2010
• Vukuzakhe High School	• 27 <sup>th</sup> to 30 <sup>th</sup> September 2010



#### 10. Training conducted at Vukuzakhe High School

### 4. Intel Teach Essentials 2010

#### 4.1 St John's DSG

January 2010 – March 2010

The training at St John's was conducted for 3 hours at a time over an extended period of time. The purpose of this arrangement was to give teachers an opportunity to engage with the material between sessions and refine thoughts and ideas that could be put into practice within the classroom environment.

Boundary issues were also experienced as the training hosted the primary and high school staff members of St John's in the high school lab. This resulted in a bit of tension between the staff members. It was further exacerbated by the fact that despite competency in operating a computer, the teachers required encouragement in putting the skills into practice and linking it to the planning and implementation of a project.

The projects that were submitted achieved the following results:

- 1 incomplete
- 2 bronze certificates
- 12 silver certificates

#### 4.2 Al Falaah College

11<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> December 2010

There were several challenges in the very beginning of this workshop and this dampened the spirit of some educators. Fortunately the facilitator was quick to pick up on the apathy and diverted frustration through a tea-break that encouraged discussion on expectations of the course.



As was expected – teachers found the material challenging and an interesting dynamic was the fact that the teachers in attendance were

educators from Grade 2 to Grade 12. The predominantly Muslim culture was also interesting to the facilitator as this, to a degree, was expressed in their hard working attitude. Discussions were fruitful and the effort made by all to complete their portfolios was certainly commendable.

The portfolios that were submitted from this group achieved the following results.

- 1 Completion certificate
- 10 Bronze certificates
- 7 Silver certificates
- 1 Gold certificate

## 2011 Intel Teach Training

### 5. Intel® Teach Getting Started 2011

#### 5.1 Quarter 1

Amagcino Primary School	10 <sup>th</sup> January – 13 <sup>th</sup> January 2011
Andrew Zondo Primary School (2 groups)	24 <sup>th</sup> February – 11 <sup>th</sup> March 2011

The training that was conducted at the beginning of the year was well received by teachers at both venues. In order to make participants feel more at ease, mouse exercises with the use of Microsoft Paint were introduced. This gave teachers the opportunity to practice mouse skills and gain confidence in navigating with a mouse. The facilitator also copied the Help Guide onto the desktop to allow for easier access to information by the participants. Support by the School Governing Body in both sets of workshops was commendable.

Comments by participants

- *I really enjoyed this course, I am computer literate but it proved to me that I can never know it all because I learned new things especially with Microsoft Excel.*
- *We should get more and more workshops in order to be more advanced.*
- *Learning to use computer for the first time was very exciting.*



12. Amagcino Primary School Training



13. Andrew Zondo Primary School Training

#### 5.2 Quarter 2

St John's DSG	February - April 2011
Bergsig School	04 April - 07 April 2011

Msinga Computer School	04 April - 07 April 2011
Imizikayifa Primary School	04 April - 07 April 2011
Jozini Education Centre	04 April - 07 April 2011
Enqoleni Education Centre	3rd May - 6th May 2011
Enqoleni Education Centre	09th May - 12th May 2011
Sicelukukhanya High School	21st, 22nd, 28th, 29th May 2011
Jozini Education Centre	09th May - 02nd June 2011
Chatsworth Education Centre	06th June - 09th June 2011
Overport Teacher Centre	06th June - 10th June 2011
J.L Dube High School	27th June - 30th June 2011
Sicelukukhanya High School	11th, 12th, 16th, 17th June 2011
Umalusi High School	27th June - 30th June 2011
Bay Primary School	27th June - 30th June 2011
Enqoleni Education Centre	27th June - 30th June 2011
Ingwavuma High School	27th June - 30th June 2011
Sicelukukhanya High School	27th June - 30th June 2011
Folweni High School	27th June - 30th June 2011



14. Imizikayifa Primary School  
Training

The second quarter was exceptionally busy with training that ran during the April and June holidays respectively. The district officials were keen to engage SchoolNet SA in order to make this free novice training available for the educators in KwaZulu-Natal. Reflections on several of the workshops will be covered in order to give a better reflection.

The April training was planned during the first quarter in 2011. This meant that logistical planning was in place which allowed for teachers to be informed well in advance of arrangements. The attendance was superb as teachers were committed to training during the school holiday.

#### Comments by educators

- *"I liked everything that I learned in this course and I liked most Module 12 it will be most fruitful for me."*
- *"The training was interactive, interesting and colourful."*
- *"My computer skills have improved and have made good friends who have assisted me to become computer literate"*



15. Enqoleni Education Centre had two rounds of training.

### 5.3 Quarter 3

With the start of the 3<sup>rd</sup> quarter a management decision was taken to halt training as budget restraints kicked in. This meant that several workshops had to be postponed until further notice. The teachers that attended training however, benefitted greatly.

Umlazi High School	29 <sup>th</sup> June – 2 <sup>nd</sup> July 2011
Jozini Education Centre	04 <sup>th</sup> July - 07 <sup>th</sup> July 2011
Kwa Mathanda High School	04 <sup>th</sup> July – 07 <sup>th</sup> July 2011
Enqoleni Education Centre	11 <sup>th</sup> July – 14 <sup>th</sup> July 2011
Jozini Education Centre	11 <sup>th</sup> July – 14 <sup>th</sup> July 2011
Lamontville Teacher Centre	25 <sup>th</sup> July – 29 <sup>th</sup> July 2011

Most of the workshops were scheduled during the lengthy July holiday which also allowed for teachers to focus their full attention. All the sessions were clustered in nature which meant that teachers would profit from the exchange between educators from similar environments and all anxious to learn how technology could be used in their classrooms.

Comments from teachers who attended scheduled workshops

- *The facilitator created a more relaxed atmosphere which made it easier for me to learn as a beginner.*
- *The training developed educators and gave them new and most important skills.*
- *All teachers need to be taken through this training, more importantly the power point presentation to better their teaching.*

## 6. Intel® Teach Elements: Project Based Approaches 2011

There were two clustered workshops that were hosted this year. One in February at Crescent Girls High and the latter was in October at the Enqoleni Education Centre. Both were hosted by senior trainers who worked with educators that had sound basic skills, either by completing the Intel® Teach Getting Started course or by having had other basic training. Since the nature of Elements is self-study – the trainers facilitated teachers in completing their tasks timeously and assisting where necessary with regards to integrating technology as well as 21<sup>st</sup> century skills effectively.



Both workshops were well attended and this could be attributed to the fact that the learning style for this course is a bit more flexible than the other courses. It also needs to be mentioned that in completing this course – a teacher walks out of the workshop with a project plan in hand that can be implemented immediately.

16: Teachers working on their projects at the Enqoleni Education Centre October 2011

## **7. Recommendations and Conclusion**

In reaching as many as 3 000 teachers through clustered training and CD distribution the KwaZulu-Natal Province has benefitted greatly from the Intel® Teach Programme. It is evident by the number of basic skills courses that have already been conducted in the province that there now is a need for the participants to be guided to the next step of professional development in the form of Intel® Teach Elements. The fact that there were no higher end courses speaks volumes of how many more Getting Started workshops are still required in before urging educators to extend themselves by moving on to more challenging course material.

Unfortunately SchoolNet SA is no longer in a position to cover the costs of training as in previous years – but with the help of the Provincial Department of Education the sky is the limit with regards to reaching those teachers who have not yet experienced the benefits of using ICT and incorporating it into the teaching and learning environment.

Intel® still has a vested interest in South Africa but since it has reached its international target of 10 million teachers trained – it is now up to the respective provincial departments of education to take the reins and lead their province into improving education through the effective use of ICT in the classroom.

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